

**AMENDMENTS TO THE CLAIMS**

This Listing of Claims will replace all prior versions and listings of claims in this application.

Listing of Claims:

- 1 - 21. (Cancelled).
22. (Currently amended) An implant comprising:  
titanium and having one or more surfaces which can be applied in or on tissue areas and/or bone growth areas, one or more of the said surfaces being arranged with a depot for a bone-growth-initiating or bone-growth-stimulating substance,  
wherein the depot is formed by a pore arrangement in a relatively thick oxide layer on the titanium, ~~and~~  
wherein the oxide layer has a thickness in the range of 1-20  $\mu\text{m}$ , and  
wherein the oxide layer is highly porous, with  $1 \times 10^7$  -  $1 \times 10^{10}$  pores/ $\text{cm}^2$ .
23. (Currently amended) The implant according to claim 22, wherein the oxide layer has a surface ~~20~~ roughness in a range of 0.4 - 5  $\mu\text{m}$ .
24. (Cancelled).
25. (Previously presented) The implant according to claim 22, wherein each surface essentially has pores with diameter sizes in the range of 0.1 - 10  $\mu\text{m}$ , and/or in that the total pore volume is within a range of  $5 \times 10^{-2}$  and  $10^{-5} \text{ cm}^3$ .
- 26 - 28. (Cancelled).

29. (Previously presented) The implant according to claim 22, wherein the oxide layer has a thickness in the range of 2 - 20  $\mu\text{m}$ .
30. (New) The implant according to claim 22, wherein the oxide layer is highly porous, with pore diameters in the range of 0.01 - 10  $\mu\text{m}$ .
31. (New) The implant according to claim 22, wherein the oxide layer has a surface roughness of about 1 - 5  $\mu\text{m}$ .
32. (New) The implant according to claim 22, wherein the implant is a dental implant.